

# FROWEIN GMBH & CO. KG

## JuvenEX-gel (30-g cartridge)

### Use

Control of the following kinds of cockroaches:

- German cockroach  
(*Blattella germanica*)
- Oriental cockroach  
(*Blatta orientalis*)
- Brown-banded cockroach  
(*Supella longipalpa*)
- American cockroach  
(*Periplaneta americana*).

Suitable for use in sensitive sectors (sick-rooms, zoological gardens, pet shops, electronic rooms, etc.).

National regulations for application and trading have to be observed.

### Type

Gel bait; ready-to-use, in 30-g cartridge.

### Active Ingredient

Bendiocarb (8 g/kg),  
pyriproxyfen (1,2 g/kg).

### Special Features

The special of JuvenEX-gel is the extinction of the population by **growth inhibition and/or sterilization**.

JuvenEX-gel contains pyriproxyfen, a juvenile hormone analogue (JHA). It fulfils several tasks. On the one hand the genetically arranged "period of fasting" is cancelled. Furthermore, it inhibits the life cycle, that is, normal maturing into an adult capable of reproduction is inhibited. And thus, the target population gradually decreases. It is the key to success in the control without risk for the occupant.

The second active ingredient bendiocarb leads to a fast knockdown effect of the cockroaches which look for food during the night. Another part of the cockroaches stay in their hiding places without food intake (it depends on the life cycle and genetic). For example the females of the German cockroaches stay in their hiding places during each "gravity" which lasts for approximately 3 weeks, 4 – 8 times during their life. Controls should consider the existence of cockroaches staying in their nests.

### Application

Apply JuvenEX-gel with a special applicator (for example SchwabEX-GUN, SchwabEX-press). The spots of JuvenEX-gel should be as big as a lens (0,05 – 0,1 g). They stick on vertical and smooth surfaces. Groups of small spots in the infested or suspicious zones, i. e. near hiding places are more favourable than isolated large spots. Place the "gel droplets" next to the exit of hiding places but never into hiding places. According to the degree of infestation bait spots are to be concentrated around hiding places.

Never place bait stations in the middle of the room but in cracks and crevices along walls or objects/equipment.

Do not place the bait on surfaces that are exposed to humidity and dust.

It is the best to apply JuvenEX-gel when the kind and extent of infestation is found out with adhesive traps.

The control of infestation is proved with suitable measures, as for example adhesive traps, too and should last for 2 weeks minimum.

The red colour of JuvenEX-gel signals, where the control took place and where gel is still present.

Cockroaches usually eat their excrements, practice cannibalism and have an exploration desire. This behaviour leads to passing the active ingredient beyond the infestation area.

p. t. o.



#### *Hiding places*

Cockroaches hide themselves in cracks, crevices and hollow spaces near heat, water and food. Essential conditions are found near stoves, baking ovens, dishwashing machines, heating elements and other sources of heat, under sinks, cupboards, shelves, wainscots. Pay attention to undersides of compartments, drawers, tables, chairs as well as cutting through for pipes, conduits, shafts, ceiling beams, etc.- German cockroaches are able to walk on smooth, vertical or overhanging surfaces. Therefore, the hiding places are not only found near the ground, especially since they prefer warm temperatures that are found more easily in the upper area of the room.

#### *Eliminate competition*

During baiting, competition by other sources of food should be eliminated. Remove foodstuffs if possible. Remove leftovers. Clean rooms.

#### **Dosage**

Several spots as big as a lens (à 0,05 – 0,1 g). Raise the number of gel droplets near foci of infestation.

#### **Caution**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Keep out of the reach of children and away from food, drink and animal feedingstuffs. Avoid every unnecessary contact with the product. Misuse may be harmful. Do not place JuvenEX-gel above foodstuff and on heating elements. The bait spots are to be placed out of reach of children and pets. This product is toxic to fish. Keep away from waters.

#### **Disposal**

This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets. Wastes resulting from the use of this product are to be disposed at an approved waste disposal facility. Completely empty packages are to be offered for recycling.

#### **Packaging**

Carton with 12 cartridges à 30 g.

**Keep in a cool and dry place.**



**BIOZIDE**



**FROWEIN GMBH & CO. KG**

D-72437 Albstadt, Postfach 201440

D-72461 Albstadt, Am Reislebach 83

Tel. +49 7432 956-0 · Fax +49 7432 956-138

www.frowein808.de · eMail: info@frowein808.de